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Claims

1. Valacyclovir hydrochloride in anhydrous crystalline form having substantially the following d-spacing pattern (in angstroms):

10	d-spacing
	6.76
	9.36
	11.54
	13.98
15	15.45
	15.75
	17.12
	19.10
	21.39
⁻ 20	23.02
	24.23
	26.41
	27.46
	28.06

- Valacyclovir hydrochloride in anhydrous crystalline
 form as claimed in claim 1 having substantially the X-ray diffraction pattern of Figure 2.
- Valacyclovir hydrochloride in anhydrous crystalline form having substantially the characteristic infrared
 peaks

IR (cm⁻¹): 1686.42, 1572.60, 1533.52.

Valacyclovir hydrochloride in anhydrous crystalline
 form as claimed in claim 3 having substantially the characteristic infrared peaks

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IR (cm⁻¹): 3377.99, 3285.87, 3197.62, 2930.92, 1749.72, 1686.42, 1631.12, 1607.17, 1572.60, 1533.52, 1476.48, 1364.98, 1298.63, 1258.79, 1248.27, 1225.22, 1132.81, 1097.06, 778.37, 759.33.

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- 5. Valacyclovir hydrochloride in anhydrous crystalline form as claimed in claim 3 having substantially the infra-red absorption spectrum of Figure 1.
- 10 6. A pharmaceutical composition comprising a valacyclovir hydrochloride form as claimed in claim 1 to 5 along with one or more pharmaceutical carriers/excipients.
- 7. Valacyclovir hydrochloride in anhydrous crystalline form as claimed in claim 1 to 5 for use in medicine.
 - 8. Use of valacyclovir hydrochloride in anhydrous crystalline form as claimed in claim 1 to 5 in the manufacture of a medicament for use as an antiviral agent.
 - 9. A process for the preparation of valacyclovir hydrochloride in anhydrous crystalline form as claimed in claim 1 to 5 comprising;
 - 1) mixing valacyclovir hydrochloride hydrate with a substantially pure C_{1-6} lower alcohol solvent and heating the resulting suspension;
- 2) evaporating the solvent under reduced pressure 30 and isolating the resulting solid.
 - 10. The process of claim 9 wherein said solvent is ethanol.
- 35 11. The process of claim 9 or 10 wherein the suspension is heated at between 50 to 70°C for at least 12 hours.

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- 12. The process of claim 11 wherein the suspension is heated at 60°C for 20-21 hours.
- 13. A process for the preparation of valacyclovir
 5 hydrochloride in anhydrous crystalline form as claimed in claim 1 to 5 comprising;
 - 1) mixing valacyclovir hydrochloride hydrate with a substantially pure C_{1-6} lower alcohol solvent and adding the resulting suspension to substantially pure refluxing lower alcohol;
 - 2) distilling off the solvent to form a suspension and maintaining the same at room temperature for at least 8 hours; and
 - isolating the resulting solid.

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- 14. The process of claim 13 wherein the solvent and refluxing lower alcohol are ethanol.
- 15. The process of claim 13 or 14 wherein approximately one third of the solvent is distilled off to form said suspension.